Serial No.: 10/579,270 Filed: March 12, 2007

Page : 2 of 13

## Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## **Listing of Claims**:

- 1. (Previously presented) A stabilizer composition for stabilizing a halogen-containing thermoplastic resin or a mixture of two or more halogen-containing thermoplastic resins, comprising:
  - (a) calcium hydroxide, calcium oxide or a mixture thereof,
  - (b) at least one hydroxyl group-containing isocyanurate, and
  - (c) at least one  $\beta$ -diketone, salt of a  $\beta$ -diketone or a mixture thereof,

wherein constituent (b) is present in an amount of 0.01 to 30 % by weight, based on the total weight of the stabilizer composition and the weight content of constituent (c) is less than 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.

- 2. (Previously presented) The stabilizer composition according to claim 1, wherein the weight content of constituent (a) is 0.01 to 2 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.
- 3. (Previously presented) The stabilizer composition according to claim 1, wherein the weight content of constituent (b) is 0.01 to 1 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.
- 4. (Previously presented) The stabilizer composition according to claim 1, wherein one or more of the following conditions are met:
  - (i) the weight content of constituent (a) is 0.05 to 0.3299 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized,

Serial No.: 10/579,270 Filed: March 12, 2007

Page : 3 of 13

(ii) the weight content of constituent (b) is 0.05 to 0.299 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized, and

- (iii) the weight content of constituent (c) is 0.01 to 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.
- 5. (Currently amended) The stabilizer composition according to claim 1, further emprising wherein constituent (c) includes calcium acetylacetonate, zinc acetylacetonate, or a mixture thereof in an amount of 0.001 to 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.
- 6. (Previously presented) A stabilizer composition for stabilizing a halogen-containing thermoplastic resin or a mixture of two or more halogen-containing thermoplastic resins, comprising:
  - (a) calcium hydroxide, calcium oxide or a mixture thereof,
  - (b) at least one hydroxyl-group-containing isocyanurate and
  - (c) at least one  $\beta$ -diketone, salt of a  $\beta$ -diketone or a mixture thereof,

wherein constituent (b) is present in an amount of 0.01 to 30 % by weight, based on the total amount of the stabilizer composition and wherein constituent (c) is present in an amount of 0.01 to 1.728 % by weight, based on the total weight of the stabilizer composition.

- 7. (Currently amended) <u>The stabilizer Stabilizer composition according to claim 6</u>, wherein the constituent (a) is comprised in an amount of 0,01 0.01 to 30 % by weight, based on the total weight of the stabilizer composition.
- 8. (Currently amended) The stabilizer composition according to claim 6, wherein one or more of the following conditions are met:
  - (i) the weight content of constituent (a) is 0.15 to 5 % by weight, based on the total weight of the stabilizer composition,

Docket No.: 22964-0014US1 / B70078PCUS FI/EV/bg

Applicant: Walter Reith Serial No.: 10/579,270 Filed: March 12, 2007

Page : 4 of 13

(ii) the weight content of constituent (b) is 0.1 to 5 % by weight, based on the total weight of the stabilizer composition, and

- (iii) the weight content of constituent (c) is 0.05 to 1.728 % 5 % by weight, based on the total weight of the stabilizer composition.
- 9. (Currently amended) The stabilizer composition according to claim 6, further emprising wherein constituent (c) includes calcium acetylacetonate, zinc acetylacetonate, or a mixture thereof in an amount of 0.001 to 10 % by weight, based on the total weight of the stabilizer composition.
- 10. (Previously presented) The stabilizer composition according to claim 6, wherein the hydroxyl-group-containing isocyanurate is selected from compounds of the general formula (I)

$$(CH_{2})_{n} - CHXOH$$

$$O \downarrow N \downarrow O$$

$$(CH_{2})_{n} - CHXOH$$

$$(I),$$

$$HOXHC - (CH_{2})_{n} - CHXOH$$

wherein the groups X and the indices n are identical or different and n is an integer of 0 to 5 and X is a hydrogen atom or a linear or branched alkyl group having 1 to 6 carbon atoms.

- 11. (Previously presented) The stabilizer composition according to claim 6, further comprising a hydrotalcite or a mixture of two or more hydrotalcites.
- 12. (Previously presented) The stabilizer composition according to claim 6, further comprising a mixture of zinc stearate and at least one organic zinc carboxylate.
- 13. (Previously presented) The stabilizer composition according to claim 6, further comprising a triglyceride.

Docket No.: 22964-0014US1 / B70078PCUS FI/EV/bg

Applicant: Walter Reith Serial No.: 10/579,270 Filed: March 12, 2007

Page : 5 of 13

14. (Previously presented) A polymer composition comprising a halogen-containing thermoplastic resin or a mixture of two or more halogen-containing thermoplastic resins and a stabilizer composition, comprising

- (a) calcium hydroxide, calcium oxide or a mixture thereof,
- (b) at least one hydroxyl-group-containing isocyanurate, and
- (c) at least one  $\beta$ -diketone, salt of a  $\beta$ -diketone or a mixture thereof,

wherein constituent (b) is present in an amount of 0.01 to 30 % by weight, based on the total weight of the stabilizer composition and wherein the weight content of constituent (c) is less than 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.

- 15. (Previously presented) The polymer composition according to claim 14, wherein the weight content of constituent (a) is 0.01 to 2 phr, based on the halogen-containing resin or resins.
- 16. (Previously presented) The polymer composition according to claim 14, wherein constituent (b) is present in an amount of 0.01 to 1 parts by weight, based on the halogencontaining resin or resins.
- 17. (Previously presented) The polymer composition according to claim 14, wherein the hydroxyl-group-containing isocyanurate is selected from compounds of the general formula (I)

$$(CH_{2})_{n} - CHXOH$$

$$O \downarrow N \downarrow O$$

$$(CH_{2})_{n} - CHXOH$$

$$(I),$$

$$HOXHC - (CH_{2})_{n} - CHXOH$$

Serial No.: 10/579,270 Filed: March 12, 2007

Page : 6 of 13

wherein the groups X and the indices n are identical or different and n is an integer of 0 to 5 and X is a hydrogen atom or a linear or branched alkyl group having 1 to 6 carbon atoms.

18. (Previously presented) The polymer composition according to claim 14, wherein one or more of the following conditions are met:

- (i) the weight content of constituent (a) is 0.05 to 0.3299 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized,
- (ii) the weight content of constituent (b) is 0.05 to 0.299 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized, and
- (iii) the weight content of constituent (c) is 0.01 to 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.
- 19. (Previously presented) The polymer composition according to claim 14, further comprising a hydrotalcite or a mixture of two or more hydrotalcites.
- 20. (Previously presented) The polymer composition according to claim 14, further comprising a mixture of zinc stearate and at least one organic zinc salt.
- 21. (Currently amended) The polymer composition according to claim 14, further comprising wherein constituent (c) includes calcium acetylacetonate, zinc acetylacetonate, or a mixture thereof in an amount of 0.001 to 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.
- 22. (Previously presented) The polymer composition according to claim 14, further comprising a triglyceride.
- 23. (Previously presented) A process for the preparation of a stabilizer composition for stabilizing a halogen-containing thermoplastic resin or a mixture of two or more halogen-containing thermoplastic resins, comprising mixing

Serial No.: 10/579,270 Filed: March 12, 2007

Page : 7 of 13

(a) calcium hydroxide, calcium oxide or a mixture thereof,

- (b) at least one hydroxyl-group-containing isocyanurate and
- (c) at least one  $\beta$ -diketone, salt of a  $\beta$ -diketone or a mixture thereof,

wherein constituent (b) is present in an amount of 0.01 to 30 % by weight, based on the total weight of the stabilizer composition, and wherein the weight content of constituent (c) is less than 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.

- 24. (Previously presented) A process for the preparation of a stabilizer composition for stabilizing a halogen-containing thermoplastic resin or a mixture of two or more halogen-containing thermoplastic resins, comprising mixing
  - (a) calcium hydroxide, calcium oxide or a mixture thereof,
  - (b) at least one hydroxyl-group-containing isocyanurate and
  - (c) at least one  $\beta$ -diketone, salt of a  $\beta$ -diketone or a mixture thereof,

wherein constituent (b) is present in an amount of 0.01 to 30 % by weight, based on the total weight of the stabilizer composition, and wherein constituent (c) is present in an amount of 0.01 to 1.728 % by weight, based on the total weight of the stabilizer composition.

- 25. (Previously presented) A process for the preparation of a polymer composition, comprising mixing a halogen-containing thermoplastic resin or a mixture of two or more halogen-containing thermoplastic resins and a stabilizer composition, comprising
  - (a) calcium hydroxide, calcium oxide or a mixture thereof,
  - (b) at least one hydroxyl-group-containing isocyanurate,
- (c) at least one  $\beta$ -diketone, salt of a  $\beta$ -diketone or a mixture thereof, wherein constituent (b) is present in an amount of 0.01 to 30 % by weight, based on the total weight of the stabilizer composition, and wherein the weight content of constituent (c) is less than 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.

Docket No.: 22964-0014US1 / B70078PCUS FI/EV/bg

Applicant: Walter Reith Serial No.: 10/579,270 Filed: March 12, 2007

Page : 8 of 13

26. (Previously presented) A process for stabilizing a halogen-containing thermoplastic resin or a mixture of two or more halogen-containing thermoplastic resins, comprising mixing the resin or resins with a stabilizing composition comprising

- (a) calcium hydroxide, calcium oxide or a mixture thereof,
- (b) at least one hydroxyl-group-containing isocyanurate,
- (c) at least one  $\beta$ -diketone, salt of a  $\beta$ -diketone or a mixture thereof, wherein constituent (b) is present in an amount of 0.01 to 30 % by weight, based on the total weight of the stabilizer composition, and wherein the weight content of constituent (c) is less than 0.3 phr, based on the thermoplastic resin to be stabilized or the thermoplastic resins to be stabilized.
  - 27. (Canceled)
  - 28. (Canceled)
- 29. (Previously presented) The stabilizer composition according to claim 1, wherein the hydroxyl-group-containing isocyanurate is selected from compounds of the general formula (I)

$$\begin{array}{c} (\operatorname{CH}_{2})_{n} - \operatorname{CHXOH} \\ \\ O & \\ N & \\ O \\ \end{array}$$

$$(\operatorname{I}),$$

$$\operatorname{HOXHC} - (\operatorname{CH}_{2})_{n} - \operatorname{CHXOH} \\ \\ O & \\ \end{array}$$

wherein the groups X and the indices n are identical or different and n is an integer of 0 to 5 and X is a hydrogen atom or a linear or branched alkyl group having 1 to 6 carbon atoms.

30. (Previously presented) The stabilizer composition according to claim 1, further comprising a hydrotalcite or a mixture of two or more hydrotalcites.

Serial No.: 10/579,270 Filed: March 12, 2007

Page : 9 of 13

31. (Previously presented) The stabilizer composition according to claim 1, further comprising a mixture of zinc stearate and at least one organic zinc carboxylate.

32. (Previously presented) The stabilizer composition according to claim 1, further comprising a triglyceride.